ELSEVIER

Neuroscience Letters 367 (2004) 415–418

Neuroscience Letters

www.elsevier.com/locate/neulet

Contents to Volume 367

Volume 367, no 1

Bi-directional plasticity and age-dependent long-term depression at mouse CA3-CA1 hippocampal synapses
A.J. Milner, D.M. Cummings, J.P. Spencer, K.P.S.J. Murphy (UK) 1
Gamma band responses to target and non-target auditory stimuli in humans
I.G. Gurtubay, M. Alegre, A. Labarga, A. Malanda, J. Artieda (Spain) 6
Protective effects of sesamin and sesamolin on murine BV-2 microglia cell line under hypoxia
R.C.-W. Hou, C.-C. Wu, C.-H. Yang, K.-C.G. Jeng (Taiwan) 10
Human gender differences in an emotional visual oddball task: an event-related potentials study
S. Campanella, M. Rossignol, S. Mejias, F. Joassin, P. Maurage, D. Debatisse, R. Bruyer, M. Crommelinck, J.M. Guérit (Belgium, Switzerland) 14
Activities of cAMP-dependent protein kinase and protein kinase C are modulated by desensitized nicotinic receptors in the rat brain
X. Sun, Y. Liu, G. Hu, H. Wang (PR China) 19
Neuronal morphological change of size-sieved stem cells induced by neurotrophic stimuli
S.-F. Tzeng, M.J. Tsai, S.-C. Hung, H. Cheng (Taiwan) 23
Acute and chronic ethanol exacerbates formalin pain in neonatal rats
J.A. Shumilla, S.M. Sweitzer, J.J. Kendig (USA) 29
Inhibition of tyrosine hydroxylase expression in α-synuclein-transfected dopaminergic neuronal cells
S. Yu, X. Zuo, Y. Li, C. Zhang, M. Zhou, Y.A. Zhang, K. Uéda, P. Chan (China, Japan) 34
Interactions between proximity and similarity grouping: an event-related brain potential study in humans
S. Han (PR China) 40
Hormones and temporal components of speech: sex differences and effects of menstrual cyclicity on speech
S.P. Whiteside, A. Hanson, P.E. Cowell (UK) 44
Plasma β-amyloid (Aβ) 40 concentration, lipid status and age in humans
C.C.T. Smith, D.J. Betteridge (UK) 48
Brain potentials and self-paced random number generation in humans
S. Schneider, G. Joppich, A. van der Lugt, J. Däuper, T.F. Münte (Germany) 51
3,4-Methylenedioxymethamphetamine (MDMA, ecstasy)-mediated production of hydrogen peroxide in an in vitro model: the role of dopamine, the serotonin-reuptake transporter, and monoamine oxidase-B
S.L. Hrometz, A.W. Brown, D.E. Nichols, J.E. Sprague (USA) 56
Estrogen increases proteasome activity in murine microglial cells
J.L. Reed, F.O. Dimayuga, L.M. Davies, J.N. Keller, A.J. Bruce-Keller (USA) 60
Persistent hindpaw inflammation produces coeruleospinal antinociception in the non-inflamed forepaw of rats
M. Tsuruoka, M. Maeda, T. Inoue (Japan) 66
Postsynaptic density protein 95 antisense oligodeoxynucleotides inhibits the activation of MLK3 and JNK3 via the GluR6·PSD-95·MLK3 signaling module after transient cerebral ischemia in rat hippocampus
D.-S. Pei, Y.-F. Sun, Q.-H. Guan, Z.-B. Hao, T.-L. Xu, G.-Y. Zhang (China) 71
Diazepam reduces brain lesion size in a photothrombotic model of focal ischemia in rats
L.A.M. Aerden, F.A.G.H. Kessels, B.P.F. Rutten, J. Lodder, H.W.M. Steinbusch (The Netherlands) 76
Vesicular inhibitory amino acid transporter is expressed in γ-aminobutyric acid (GABA)-containing astrocytes in rat pineal glands
N. Echigo, Y. Moriyama (Japan) 79
Estrogen regulates neprilysin activity in rat brain
J. Huang, H. Guan, R.M. Booze, C.B. Eckman, L.B. Hersh (PR China, USA) 85
Association between presenilin-1 −48C/T polymorphism and Down's syndrome
P. Lucarelli, A. Piciullo, M. Palmarino, M. Verdecchia, P. Saccucci, C. Arpino, P. Curatolo (Italy) 88
Monopolar versus bipolar high frequency stimulation in the rat subthalamic nucleus: differences in histological damage
Y. Temel, V. Visser-Vandewalle, M. van der Wolf, G.H. Spincemaille, L. Desbonnet, G. Hoogland, H.W.M. Steinbusch (The Netherlands, Ireland) 92
α-Synuclein missense and multiplication mutations in autosomal dominant Parkinson's disease
A.D. Hope, R. Myhre, J. Kachergus, S. Lincoln, G. Bisceglio, M. Hulihan, M.J. Farrer (USA, Norway) 97
Actions of zinc at mature Golgi cell to granule cell synapses in cerebellum of rats and mice
M.J. Wall (UK) 101
Homer1a and *1bc* levels in the rat somatosensory cortex vary with the time of day and sleep loss
S.E. Nelson, D.L. Duricka, K. Campbell, L. Churchill, J.M. Krueger (USA) 105
Genetic analysis of DJ-1 in a cohort Parkinson's disease patients of different ethnicity
E.-K. Tan, C. Tan, Y. Zhao, K. Yew, H. Shen, V.R. Chandran, M.-L. Teoh, Y. Yih, R. Pavanni, M.-C. Wong (Singapore) 109

doi:10.1016/S0304-3940(04)01018-3

Fas and activated caspase 8 in normal, Alzheimer and multiple infarct brains
D.T. Yew, W. Ping Li, W.K. Liu (China, USA) 113
Inhibitory effect of pranidipine on N-type voltage-dependent Ca^{2+} channels in mice
M. Murakami, T. Mori, O. Nakagawasai, K. Hagiwara, Y. Sakurada, I.I. Mobarakeh, A. Murata, F. Yamadera, I. Miyoshi, K. Tan-No, K. Yanai, T. Tadano, T. Iijima (Japan) 118
Tenuigenin treatment decreases secretion of the Alzheimer's disease amyloid β-protein in cultured cells
H. Jia, Y. Jiang, Y. Ruan, Y. Zhang, X. Ma, J. Zhang, K. Beyreuther, P. Tu, D. Zhang (China, Germany) 123
Soluble β-amyloid (Aβ) 40 causes attenuation or potentiation of noradrenaline-induced vasoconstriction in rats depending upon the concentration employed
C.C.T. Smith, L. Stanyer, D.J. Betteridge (UK) 129
Upregulation of CD44 expression in the spinal cords of rats with clip compression injury
C. Moon, S. Heo, K.-B. Sim, T. Shin (South Korea) 133

Volume 367, no 2

Hyperforin modifies neuronal membrane properties in vivo
G.P. Eckert, J.-H. Keller, C. Jourdan, M. Karas, D.A. Volmer, M. Schubert-Zsilavecz, W.E. Müller (Germany, Canada) 139
Oxytocin levels in the plasma and cerebrospinal fluid of male rats: effects of circadian phase, light and stress
K. Devarajan, B. Rusak (Canada) 144
Does footedness or hemispheric visual asymmetry influence centre of pressure displacements?
E. Golomer, F. Mbongo (France) 148
Genetic dissection of drug effects in clinical practice: CLOCK gene and clozapine-induced diurnal sleepiness
E. Lattuada, R. Cavallaro, F. Benedetti, F. Cocchi, C. Lorenzi, E. Smeraldi (Italy) 152
Non-steroidal anti-inflammatory drugs protect amyloid β protein-induced increase in the intracellular Cl^- concentration in cultured rat hippocampal neurons
R. Iwata, K. Kitagawa, N.-Y. Zhang, B. Wu, C. Inagaki (Japan) 156
Effects of Chlorpheniramine and L-histidine on vestibular compensation in goldfish, *Carassius auratus*
A.C. Piratello, R. Mattioli (Brazil) 160
Increased seizure threshold and severity in young transgenic CRND8 mice
R.A. Del Vecchio, L.H. Gold, S.J. Novick, G. Wong, L.A. Hyde (USA) 164
Paraoxonase 1 (*PON1*) gene polymorphisms and Parkinson's disease in a Finnish population
J. Clarimon, J. Eerola, O. Hellström, P.J. Tienari, A. Singleton (USA, Finland) 168
Effect of simple spike firing mode on complex spike firing rate and waveform in cerebellar Purkinje cells in non-anesthetized mice
L. Servais, B. Bearzatto, R. Hourez, B. Dan, S.N. Schiffmann, G. Cheron (Belgium) 171
The *H+* allele of the lipoprotein lipase (LPL) *Hin*dIII intronic polymorphism and the risk for sporadic late-onset Alzheimer's disease
R. Scacchi, G. Gambina, E. Broggio, G. Moretto, M. Ruggeri, R.M. Corbo (Italy) 177
Facilitative effect of high frequency subthreshold repetitive transcranial magnetic stimulation on complex sequential motor learning in humans
Y.-H. Kim, J.-W. Park, M.-H. Ko, S.H. Jang, P.K.W. Lee (Republic of Korea) 181
Perinatal hypothyroidism increases the susceptibility to lidocaine-kindling in adult rats
J. Pacheco-Rosado, A. Hernández-García, R. Ortiz-Butrón (Mexico) 186
Involvement of the human dorsal premotor cortex in unimanual motor control: an interference approach using transcranial magnetic stimulation
M. Cincotta, A. Borgheresi, F. Balestrieri, F. Giovannelli, S. Rossi, A. Ragazzoni, G. Zaccara, U. Ziemann (Italy, Germany) 189
Increased cerebrospinal fluid levels of transforming growth factor-β1 in Alzheimer's disease
H. Zetterberg, N. Andreasen, K. Blennow (Sweden) 194
Role of extracellular histidines in antagonist sensitivity of the rat $P2X_4$ receptor
K. Xiong, R.R. Stewart, F.F. Weight, C. Li (USA) 197
Effects of corticotropin-releasing hormone (CRH) on the synthesis and secretion of proopiomelanocortin-related peptides in the anterior pituitary: a study using CRH-deficient mice
Y. Fukuda, K. Kageyama, T. Nigawara, Y. Kasagi, T. Suda (Japan) 201
The LEI/L-DNase II pathway is activated in light-induced retinal degeneration in rats
S. Chahory, L. Padron, Y. Courtois, A. Torriglia (France) 205
Non-invasive imaging of GFAP expression after neuronal damage in mice
L. Zhu, S. Ramboz, D. Hewitt, L. Boring, D.S. Grass, A.F. Purchio (USA) 210
Catechins prevents substance P-induced hyperactive bladder in rats via the downregulation of ICAM and ROS
W.-C. Chen, S. Hayakawa, K. Shimizu, C.-T. Chien, M.-K. Lai (Japan, Taiwan) 213
Intra-limb segmental influences on random-like movements in humans
K.M. Deutsch, K.M. Newell (USA) 218
Inhibitory effect of buflomedil on prostate α_{1A} adrenoceptor in the Wistar rat
L.-M. Tang, J.-T. Cheng, Y.-C. Tong (Taiwan) 224
Lack of association of the cholesterol 24-hydroxylase (CYP46) intron 2 polymorphism with Alzheimer's disease
M. Ingelsson, J. Jesneck, M.C. Irizarry, B.T. Hyman, G.W. Rebeck (USA) 228
X-box binding protein 1 (*XBP1*) C−116G polymorphisms in bipolar disorders and age of onset
S.-J. Hou, F.-C. Yen, C.-Y. Cheng, S.-J. Tsai, C.-J. Hong (Taiwan) 232
Glycosylation changes in Alzheimer's disease as revealed by a proteomic approach
K. Kanninen, G. Goldsteins, S. Auriola, I. Alafuzoff, J. Koistinaho (Finland) 235

Determination of exocytosis mechanisms of DOPA in rat striatum using in vivo microdialysis
G. Zhu, M. Okada, S. Yoshida, S. Hirose, S. Kaneko (Japan) 241
Differential expression profiles of PLC-β1 and -δ1 in primary cultured rat cortical neurons treated with *N*-methyl-D-aspartate and peroxynitrite
K. Nagasawa, K. Nishida, K. Nagai, S. Shimohama, S. Fujimoto (Japan) 246
Co-treatment with ethanol enhances the toxicity of 6-hydroxydopamine
Z. Ming, L. Zhi-shun, G. Jin-fa, S. Lan-yin, L. Xin-yuan (PR China) 250
Increased expression of the embryonic intermediate filament, nestin, in the brains of scrapie-infected mice
J.-K. Jin, B.-H. Jeong, Y.-J. Na, Y.-S. Kim, R.I. Carp, M.-B. Wie, C. Moon, T. Shin (South Korea, USA) 254
Blockade of peripheral 5HT3 receptor attenuates the formalin-induced nocifensive behavior in persistent temporomandibular joint inflammation of rat
K. Okamoto, H. Imbe, A. Tashiro, S. Kumabe, E. Senba (Japan) 259
Neuroprotective effect of L-carnitine in the 3-nitropropionic acid (3-NPA)-evoked neurotoxicity in rats
Z. Binienda, A. Virmani, B. Przybyla-Zawislak, L. Schmued (USA, Italy) 264

Volume 367, no 3

New findings on X-linked Adrenoleukodystrophy: 5α-reductase isoform 2 relative gene expression is modified in affected fibroblasts
A. Petroni, M. Cappa, M. Blasevich, M. Solinas, G. Uziel (Italy) 269
Localization of *DJ-1* mRNA in the mouse brain
H. Shang, D. Lang, B. Jean-Marc, A. Kaelin-Lang (China, Switzerland, Singapore) 273
Lesions of the periaqueductal gray block the medial preoptic area-induced activation of the urethrogenital reflex in male rats
L. Marson (USA) 278
Possible involvement of the facial nucleus in regulation of respiration in rats
C. Zhang, H. Yan, C. Li, Y. Zheng (PR China) 283
Experimental herpes simplex virus encephalitis: a long-term study of interleukin-6 expression in mouse brain tissue
F. Dvorak, F. Martinez-Torres, J. Sellner, J. Haas, P.D. Schellinger, M. Schwaninger, U.K. Meyding-Lamadé (Germany) 289
Selective reduction of chromogranin A-like immunoreactivities in the prefrontal cortex of schizophrenic subjects: a postmortem study
T. Iwazaki, I. Shibata, S.-I. Niwa, I. Matsumoto (Japan, Australia) 293
Impairment of a cortical event-related desynchronisation during a bimanual load-lifting task in children with autistic disorder
J. Martineau, C. Schmitz, C. Assaiante, R. Blanc, C. Barthélémy (France) 298
The impact of adenosine on the release of acetylcholine, dopamine, and norepinephrine from the cat carotid body
R.S. Fitzgerald, M. Shirahata, H.-Y.J. Wang, A. Balbir, I. Chang (USA) 304
Sociability trait and serotonin metabolism in the rat social interaction test
M. Tõnissaar, M.-A. Philips, M. Eller, J. Harro (Estonia) 309
Distribution of 5-HT_7 receptors in the human brain: a preliminary autoradiographic study using [^{3}H]SB-269970
K. Varnäs, D.R. Thomas, E. Tupala, J. Tiihonen, H. Hall (Sweden, UK, Finland) 313
Systematic scaling of target width: dynamics, planning, and feedback
J.J. Buchanan, J.-H. Park, C.H. Shea (USA) 317
Effect of Vim thalamic DBS in Parkinson's disease on F wave duration
P. Pakarian, S.M. Rayegani, S. Shahzadi (Iran) 323
Treatment with subthreshold doses of caffeine plus trihexyphenidyl fully restores locomotion and exploratory activity in reserpinized rats
R.E. Moo-Puc, J. Villanueva-Toledo, G. Arankowsky-Sandoval, F. Alvarez-Cervera, J.L. Góngora-Alfaro (Mexico) 327
Recording of ventral posterior lateral thalamus neuron response to contact heat evoked potential in patient with neurogenic pain
E. Pralong, C. Pollo, J. Bloch, J.-G. Villemure, R.T. Daniel, M.-H. Tétreault, D. Debatisse (Switzerland) 332
Interaction between matrix metalloproteinase 3 and the ε4 allele of apolipoprotein E increases the risk of Alzheimer's disease in Finns
M.S. Saarela, T. Lehtimäki, J.O. Rinne, A. Hervonen, M. Jylhä, M. Röyttä, J.-P. Ahonen, K.M. Mattila (Finland) 336
Inflammatory glial activation in the brain of a patient with hereditary sensory neuropathy type 1 with deafness and dementia
K. Hojo, T. Kawamata, C. Tanaka, K. Maeda (Japan) 340
Effects of nitric oxide on dentate gyrus cell proliferation after seizures induced by pentylenetrazol in the adult rat brain
W. Jiang, L. Xiao, J.-C. Wang, Y.-G. Huang, X. Zhang (Canada, China) 344
Microglial activation is a pharmacologically specific marker for the neurotoxic amphetamines
D.M. Thomas, J. Dowgiert, T.J. Geddes, D. Francescutti-Verbeem, X. Liu, D.M. Kuhn (USA) 349
Indirubin-3′-oxime inhibits c-Jun NH_2-terminal kinase: anti-apoptotic effect in cerebellar granule neurons
Y. Xie, Y. Liu, C. Ma, Z. Yuan, W. Wang, Z. Zhu, G. Gao, X. Liu, H. Yuan, R. Chen, S. Huang, X. Wang, X. Zhu, X. Wang, Z. Mao, M. Li (China, USA) 355
New mutation (T1232P) of the ATP-7B gene associated with neurologic and neuropsychiatric dominance onset of Wilson's disease in three unrelated Colombian kindred
C. Velez-Pardo, M.J.D. Rio, S. Moreno, L. Ramírez-Gomez, G. Correa, F. Lopera (Colombia) 360
Time window and pharmacological characterisation of kainate-mediated preconditioning in organotypic rat hippocampal slice cultures
R. Nvue, V. Gorianov, N. Best, L.E. Sundstrom, A.K. Pringle (UK) 365
Effect of voluntary contraction intensity on the H-reflex and V-wave responses
M. Pensini, A. Martin (France) 369
The intensity dependence of the auditory evoked N1 component as a predictor of reponse to Citalopram treatment in patients with major depression
T. Linka, B.W. Müller, S. Bender, G. Sartory (Germany) 375
Brain-derived neurotrophic factor, apolipoprotein E genetic variants and cognitive performance in Alzheimer's disease
B. Nacmias, C. Piccini, S. Bagnoli, A. Tedde, E. Cellini, L. Bracco, S. Sorbi (Italy) 379

The cytoarchitecture of sulcal folding in Heschl's sulcus and the temporal cortex in the normal brain and schizophrenia: lamina thickness and cell density
S.A. Chance, P.M. Tzotzoli, A. Vitelli, M.M. Esiri, T.J. Crow (UK) 384
Cyclosporin A and deltamethrin block the downregulation of $Na_v1.8$ sodium channels expressed in *Xenopus* oocytes
J.-S. Choi, D.M. Soderlund (USA) 389
Thalamocortical projection from the ventral posteromedial nucleus sends its collaterals to layer I of the primary somatosensory cortex in rat
S. Oda, K. Kishi, J. Yang, S. Chen, J.Y. Yokofujita, H. Igarashi, S. Tanihata, M. Kuroda (Japan) 394
Subcellular localization of WD40 repeat 1 protein in PC12 rat pheochromocytoma cells
D.H. Shin, E. Lee, Y.H. Chung, G.H. Mun, J.y. Park, M.I. Lomax, S.H. Oh (South Korea, USA) 399
Myosin Va is proteolysed in rat cerebellar granule neurons after excitotoxic injury
S. Alavez, J. Morán, A. Franco-Cea, A. Ortega-Gómez, L. Casaletti, L.C. Cameron (Mexico, Brazil) 404

Author Index 410
Volume of Contents 415